

ABSTRACT

The invention relates to a scanning device for reading bar code symbols, wherein the scanning device comprises a housing having a substantially horizontal surface and a substantially vertical surface. A motor rotates a polygon mirror, which reflects a light beam from a light source and redirects it toward a mirror array and out a window in the substantially horizontal window. Another motor rotates another polygon mirror, which reflects a light beam from a second light source and redirects it toward a second mirror array and out a window in the substantially vertical surface. A plurality of sensors detects light reflected back from a bar code and generates a plurality of electrical signals proportional to the intensity of the reflected light.